

Serial No. 10/562,824

KAS-5122

Amendment

Responsive to Office Action dated March 29, 2007

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CENTRAL FAX CENTER****OCT 01 2007****Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A control apparatus for an internal combustion engine having a heating resistor type air flow rate measuring apparatus which flows a heating current through the heating resistor to heat the resistor and measures a flow rate of air sucked into the engine based on radiation of heat ~~to~~ by sucked air, the control apparatus for an internal combustion engine is characterized in that comprising:

the heating resistor is heated upon lapse of a constant time period after instructing a start of rotation to the engine said air flow rate measuring apparatus supplying the heating current to the heating resistor upon lapse of a constant time period after start of rotation of the engine to delay heating of the heating resistor by the constant time period.

2. (Canceled)

3. (Currently Amended) ~~In a~~ A heating resistor type fluid flow rate measuring apparatus which flows a heating current through the heating resistor in accordance with an instruction signal applied outside to heat the resistor and measures a flow rate of fluid based on radiation of heat ~~to~~ by sucked fluid, the heating resistor type fluid flow rate measuring apparatus ~~is characterized by comprising~~ comprising:

heat generation delay means which heats the heating resistor upon lapse of a constant time period after the instruction signal is supplied from the outside.

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4. (Currently Amended) ~~In a~~ A heating resistor type fluid flow rate measuring apparatus according to claim 3, the heating resistor type fluid flow rate measuring apparatus ~~is characterized in that~~ further comprises the heat generation delay means ~~supplies~~ supplying the heating current to the heating resistor upon lapse of the constant time period after the instruction signal is supplied from the outside thereby to delay heating of the heating resistor by the constant time period.

5. (Currently Amended) ~~In a~~ A control apparatus for an internal combustion engine having a heating resistor type air flow rate measuring apparatus which flows a heating current through the heating resistor to heat the resistor and measures a flow rate of air sucked into the engine based on radiation of heat to sucked air, the control apparatus for an internal combustion engine ~~is characterized in that comprising:~~  
said air flow rate measuring the heating resistor is heated- apparatus heats  
upon lapse of a constant time period after detecting a start of rotation of the engine.

6. (Currently Amended) ~~In a~~ A control apparatus for an internal combustion engine according to claim 5, ~~the control apparatus for an internal combustion engine is characterized in that~~ wherein the heating current is supplied to the heating resistor upon lapse of the constant time period after detecting the start of rotation of the engine ~~thereby to~~ delay heating of the heating resistor by the constant time period.

7. (New) A control apparatus for an internal combustion engine according to claim 1, wherein the air flow rate measuring apparatus supplies the heating current to the heating resistor upon a lapse of one second as the constant time period.

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8. (New) A control apparatus for an internal combustion engine according to claim 1, wherein the air flow rate measuring apparatus supplies the heating current to the heating resistor after sucked air blows on the heating resistor.

9. (New) A heating resistor type fluid flow rate measuring apparatus according to claim 3, wherein the heat generation delay means heats the heating resistor upon lapse of one second as the constant time.

10. (New) A heating resistor type fluid flow rate measuring apparatus according to claim 3, wherein the air flow rate measuring apparatus supplies the heating current to the heating resistor after sucked air blows on the heating resistor.

11. (New) A control apparatus for an internal combustion engine according to claim 5, wherein the air flow rate measuring apparatus heats the heating resistor after sucked air blows on the heating resistor.

12. (New) A control apparatus for an internal combustion engine according to claim 5, wherein the air flow rate measuring apparatus supplies the heating current to the heating resistor after sucked air blows on the heating resistor.